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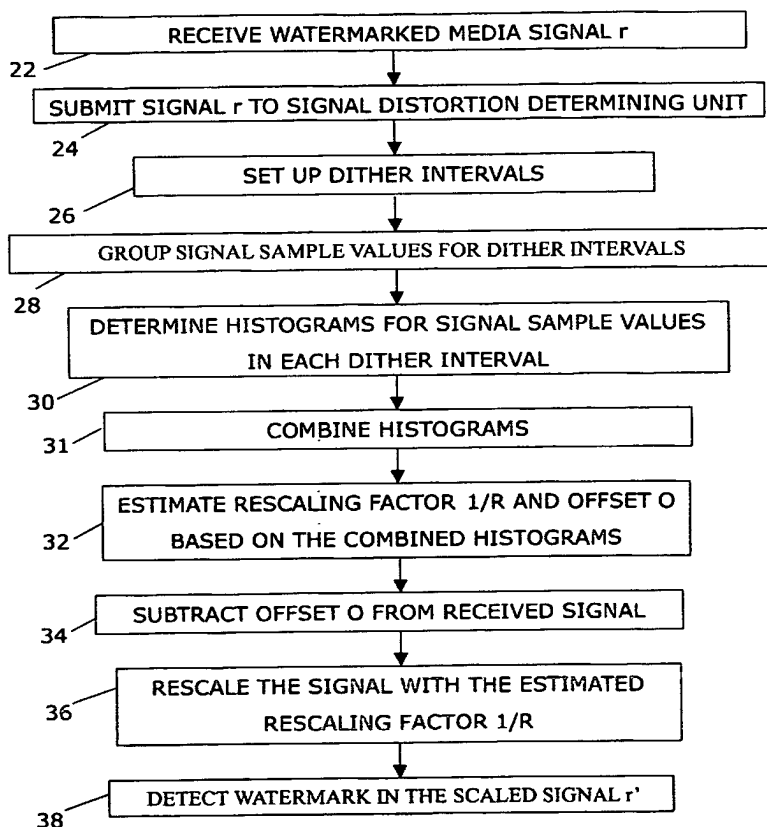
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(54) Title: ESTIMATION OF QUANTISATION STEP SIZES FOR A WATERMARK DETECTOR



(57) Abstract: The present invention relates to a method, apparatus and computer program product enabling at least identification the presence data symbols that have been embedded in a media signal. A transmitted media signal is obtained (step 22), which comprises a possibly distorted version of a host signal in which data symbols have been embedded by quantisation using a certain quantisation step size and to which dither with a set of dither values has been added. Several dither value intervals within the set are provided, where each interval corresponds to one dither value (step 26). A histogram is determined for each interval (step 30), where a histogram is determined for all sample values of a set of signal samples of the transmitted media signal and having a dither value in the corresponding interval. The separate histograms are combined and a rescaling factor is determined based on the combined histogram (step 32) in order to estimate the quantisation step size.



SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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